## REPORT DOCUMENTATION PAGE

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14. ABSTRACT							
This flyer describes the Simulated Inertial GPS Navigation Laboratory (SIGNaL) at SSC San Diego.							
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15. SUBJECT TE	-KM2						
GPS Simulated Inertial GPS Navigation Laboratory (SIGNaL)							
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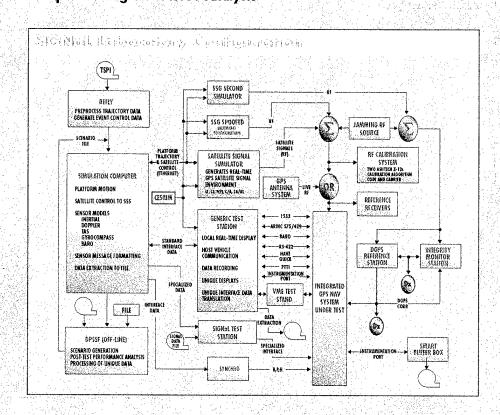
SIGNaL enables dynamic, consistent laboratory testing of an entire configuration and all aspects of Embedded GPS Systems (EGI, GINA, Embedded Doppler, and Receiver Cards).

## SSC San Diego SIGNal Central Engineering Activity Capabilities

- Dynamic laboratory testing
- **Dual simultaneous EGI testing**
- Validation and utilization for both Honeywell and Litton EGIs
- Extensive software menuization, error generation, and analysis
- Proposed standard SIGNaL interface
- Better alternative to static laboratory or non-repeatable dynamic field testing

## Particularly Useful for Laboratory

- Re-Fly Testing and Troubleshooting
- Integrity Testing
- **Vulnerability Testing**
- Navigation Performance and Kalman Filter Analysis
- Dynamic Edge of Envelope Testing
- Special Integration Issue Analysis



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